

Title (en)

Positioning apparatus used for machine tools etc.

Title (de)

Positionierungsvorrichtung für Werkzeugmaschinen etc.

Title (fr)

Dispositif de positionnement pour machine-outils etc.

Publication

EP 0531732 A1 19930317 (EN)

Application

EP 92113740 A 19920812

Priority

- JP 17053192 A 19920629
- JP 20175191 A 19910812

Abstract (en)

A positioning apparatus is provided which is capable of performing high-accuracy positioning in a short time using no curvic coupling. With the provision of an hydraulic motor (10) having a rotary shaft (3) fixed to a turret head (2) and a hollow type rotary encoder (12) for detecting the angle of rotation of the rotary shaft (3), rotation of the hydraulic motor (10) is controlled by a controller (35) via a control valve (11). Locking of the rotary shaft (3) is performed by means of the rebound force of a spring (28) provided in a hydraulic cylinder (22) by pressing a pad provided at a tip portion of a rod against a disk (21). Unlocking of the rotary shaft (3) is performed by supplying a hydraulic fluid into a cylinder chamber in the cylinder (22) by switching a directional control valve (23). <IMAGE>

IPC 1-7

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CPC (source: EP US)

B23Q 16/025 (2013.01 - EP US)

Citation (search report)

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- [Y] PATENT ABSTRACTS OF JAPAN vol. 12, no. 470 (P-798)9 December 1988 & JP-A-63 191 020 (TAMAGAWA SEIKI) 8 August 1988

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